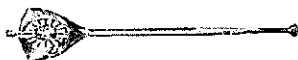




PARLIAMENT OF MALAWI



Parliament Buildings, Presidential Way, Private Bag B362, Capital City, Lilongwe 3

Telephone: 773566/773 208/773 740

Fax: 774196/771 340

E-mail: parliament@malawi.net

REQUEST FOR QUOTATION

Procurement Reference Number: **POM/RFQ/PDU/3/UPS/2024/25/G/052**

To:

.....

..... : **9th December, 2024**

The Procuring Entity named above invites you to submit your quotation for the goods described here in. Partial Quotations may be rejected, and the Purchaser reserves the right to award a contract for selected items only. Any resulting order shall be subject to the Government of Malawi General Conditions of Contract for Local Purchase Orders (available on request) except where modified by this Request for Quotations.

SECTION A: QUOTATION REQUIREMENTS:

- 1) Description of Supply and Delivery: *Supply, Delivery and Installation of 25KVA UPS at Parliament of Malawi.*
- 2) Quotation prices should be based on:
 - for goods supplied from within Malawi; EXW – insured and delivered to Parliament Building
 - or for goods supplied from outside of Malawi; CIP to Parliament Building.
- 3) The delivery period required is **30 days** from date of order.
- 4) Quotations must be valid for **45 days** from the date for receipt given below.
- 5) The warranty/ guarantee offered shall be: **12 months.**

- 6) Quotations and supporting documents as specified in Section B must be marked with the Procurement Number given above and indicate your acceptance of the terms and conditions.
- 7) Quotations must be received, in sealed envelopes, no later than: 14:00 hrs on 13th December, 2024. Quotations must be returned to:

The Chairperson, Internal Procurement and Disposal Committee, National Assembly, Parliament Building, Private Bag B362, Lilongwe 3. Attention: The Ag. Chief Procurement Officer
- 8) The attached Schedule of Requirements at Section C, details the items to be purchased. You are requested to quote your delivered price for these items by completing and returning Sections B and C.
- 9) [*List any other requirements e.g. the provision of samples – Not Applicable*]

Quotations that are responsive, qualified and technically compliant will be ranked according to price. Award of contract will be made to the lowest priced quotation by item or by total through the issue of a Local Purchase Order.

Signed: Name: **Annastanzia Chirwa**

Title/Position: **The Ag. Chief Procurement Officer**

For and on behalf of the Purchaser

Your quotation is to be returned on this Form by completing and returning Sections B and C including any other information/certification required within this RFQ.

SECTION B: QUOTATION SUBMISSION SHEET

- 1) Currency of Quotation: Malawi Kwacha
- 2) Delivery period offered: days/weeks/months from date of Purchase Order.
- 3) The validity period of this Quotation is: days from the date for receipt of Quotations.
- 4) Warranty period (where applicable):..... Months.
- 5) We attach the following documents:
 - i. Section C of the Request for Quotations completed and signed;
 - ii. A copy of our Trading Licence,
 - iii. A copy of our Annual Tax Clearance Certificate (for the last Financial Year),
 - iv. A list of recent Government contracts performed,
- 6) We confirm that our quotation is based on the terms and conditions stated in your Request for Quotations referenced above, and that any resulting contract will be subject to the Government of Malawi General Conditions of Contract for Local Purchase Orders.
- 7) We confirm that the prices quoted are fixed and firm for the duration of the validity period and will not be subject to revision or variation.

8) Authorised By:

Signature _____ Name: _____
:

Position: _____ Date: _____
(DD/MM/YY)

Authorised for and on behalf of:

Company: _____
y:

9) Address:
.....

SECTION C: SCHEDULE OF REQUIREMENTS (TO BE PRICED BY BIDDER)

Item No		UOM	QTY	Delivered Unit Price <i>Kwacha</i>	Delivered Total Price <i>Kwacha</i>
1.	<p><i>Supply, delivery and Installation of 25KVA UPS</i></p> <ul style="list-style-type: none"> • <i>Note: Please refer to the attached specifications below.</i> • <i>You will be required to install a UPS at Parliament.</i> • <i>A pictorial sample of the UPS with clear specifications must be attached.</i> • <i>If a site visit or further clarification is needed, please do not hesitate to reach out.</i> • <i>It is essential to provide a detailed breakdown of prices, including the UPS, accessories, and any associated costs.</i> 	Each	2		
Sub-Total					
16.5% VAT					
Grand total					
PPDA Levy 1%					

Authorised By:

Signature: _____

Name: _____

Position: _____

Date: _____

(DD/MM/YY)

Authorised for and on behalf of:

SEE ATTACHED SPECIFICATIONS

1. 25KVA UPS FOR SAVERROOM AND CONTROL ROOM

Supply, Deliver, Install and Commission a 25 kva	
MODULE SPECIFICATIONS	
1. Module power	• 25 kVA, 3 Phase
2. Rated input voltage	• $\pm 384\text{VDC}$
3. Power connection	• 3/3, 3/1, 1/3, 1/1 phase
4. Module dimension (W*D*H)mm	• 482×465×133 or near dimensions
5. Weight (kg)	• Approximate 20 kg
6. Module charging	• Each module provides 6kW charging power
7. Input power factor	• ≥ 0.99
8. Overload ability	• Exceeds system overload requirements
9. Maximum heat dissipation power	• 1187w
10. THDI (%)	• $\leq 3\%$
MAINS INPUT	
1. Input mode	• 3-phase +N +E, 1-phase +N +E
2. Input voltage	• 380V/220V $\pm 20\%$, 400V/230V $\pm 20\%$, 415V/240V $\pm 20\%$
3. Input frequency	• 50Hz $\pm 10\%$, 60Hz $\pm 10\%$
4. Power wake-in (Sec.)	• 60sec
5. THDI (%)	• $< 3\%$
6. Input PF	• ≥ 0.99
BYPASS INPUT	
1. Input voltage	• 380V/220V $\pm 20\%$, 400V/230V $\pm 20\%$, 415V/240V $\pm 20\%$
2. Input frequency	• 50 Hz, 60 Hz
3. Range of Frequency Synchronous	• 50 Hz $\pm 4\%$, 60 Hz $\pm 4\%$
DC INPUT	ESSENTIAL POWER CIRCUITS
1. Rated Input voltage	1. $\pm 384\text{VDC}$
2. Input voltage tolerance	2. $\pm 345\text{V} \sim \pm 440\text{V DC}$
BATTERY BANK	
1. Battery Type	• <i>Deep Cycled Maintenance Free Gel Type Batteries</i>
2. Battery backup period	• 2 hours back up
3. Stability of discharging voltage	• $\pm 1\%$
4. Rated Output Terminal Voltage	• $\pm 384\text{VDC}$
5. Input / Output terminal voltage tolerance	• $\pm 345\text{V} \sim \pm 440\text{V DC}$
BATTERY CHARGING	

1. Charging current limited	<ul style="list-style-type: none"> • yes
2. Charging ability	<ul style="list-style-type: none"> • 10 hours (2 hours back up)
3. Stability of charging voltage	<ul style="list-style-type: none"> • $\pm 1\%$
AC OUTPUT	
UPS power factor	
1. Output voltage	<ul style="list-style-type: none"> • 380V/220V AC, 400V/230V AC, 415V/240V AC
2. Output frequency	<ul style="list-style-type: none"> • $\pm 4\%; \pm 0.2\%$ (battery supply)
3. Output voltage stability	<ul style="list-style-type: none"> • $\pm 1\%$
4. Output voltage recovering time	<ul style="list-style-type: none"> • $< 20\text{ms}$ (load 0~100% change)
5. Overload ability	<ul style="list-style-type: none"> • Operate 10mins with 125% load
6. Transfer from mains to battery supply	<ul style="list-style-type: none"> • 0ms
7. Transfer from bypass to inverter supply	<ul style="list-style-type: none"> • $< 1\text{ms}$
Peak factor	
1. Waveform distortion	<ul style="list-style-type: none"> • $\leq 1\%$ (linear load), $\leq 3\%$(non-linear load)
2. Overall efficiency	<ul style="list-style-type: none"> • $\geq 95\%$ (AC~AC), $\geq 98\%$ (DC~AC)
3. Load share precision	<ul style="list-style-type: none"> • $\leq 5\%$
OPERATION ENVIRONMENT	
1. Ambient temperature	<ul style="list-style-type: none"> • $-25^{\circ}\text{C} \sim 60^{\circ}\text{C}$
2. Operating temperature	<ul style="list-style-type: none"> • $-5^{\circ}\text{C} \sim 40^{\circ}\text{C}$
3. Maximum operation altitude	<ul style="list-style-type: none"> • $\leq 1500\text{m}$
4. Relative humidity	<ul style="list-style-type: none"> • $\leq 95\%$ non-condensity
5. Protection degree	<ul style="list-style-type: none"> • IP30
6. Cooling	<ul style="list-style-type: none"> • Air cooling
7. Applicable safety standards	<ul style="list-style-type: none"> • EN62040-1-1:2003 IEC60950-1:2001
8. Electromagnetic compatibility	<ul style="list-style-type: none"> • EN62040-2:2006
9. Acoustic noise	<ul style="list-style-type: none"> • $\leq 55\text{DB}$
OTHERS	
1. Cabinet	<ul style="list-style-type: none"> • Standard 19 inch cabinet
2. Monitor management system	<ul style="list-style-type: none"> • UP Supervisor
3. Interface	<ul style="list-style-type: none"> • RS232, RS485 and 8 try contact, TCP/IP adapter, SNMP(optional)
4. Display	<ul style="list-style-type: none"> • Touch LCD/LED Screen
1. Local backup service	<ul style="list-style-type: none"> • Must be available in Malawi • Authorized Agent/dealership be available
2. Warranty	<ul style="list-style-type: none"> • Must be provided for a specified period • Free service must be provided

INSTALLATION SPECS FOR SERVER ROOM

For Contracts where Payment is to be based on Quantities of Work actually performed at the unit rates quoted

Item No.	A. Description of Work	Unit of Measure	Estimated Quantity	Unit Price in Kwacha	Total Price in Kwacha
	Back Up Power for Parliament Server Room				
A	Supply, Deliver, Install and Commission a 25 KVA UPS	No	1		
	UPS Mains Power Supply				
A	Supply, install and connect a 25sq mm 4 core Armoured cable from the Non-Essential Server room Distribution Board to the UPS unit	m	5		
B	150A TP Isolator (For the supply of power to the UPS Unit)	no	1		
	Essential Power Supply				
C	Supply and install 25sq mm 4 core Armoured cable from the Non-Essential Server room Mains Power Distribution Board to the UPS Sub-Distribution Essential Distribution board	m	20		
D	Supply, Install and Connect double door Surface Mounted 6 ways 3 phase distribution board complete with the following:				
	1 No. 100A TP ELCB with 100mA sensitivity as Wintrip, Crabtree /Legrand or equally approved				
	6 No. 32Amp MCB for sockets				
	Separation Barriers				-
	Masking Plates				-
	Interconnecting Wiring				-
	Labels and Charts				-
	Earth terminals				-
	Earthing shall be provided for the whole electrical installation where all metal frameworks shall also be bonded. Provide 2400mm earth electrode clamped to 2.5mm ² green cable, grounded in an earth pit of 300x300mm and concrete cover.	Item	1		
	Note: All sockets shall be strictly MEM, Ashley, T&J or MK only. Cables used shall be of Cable Manufacture Limited or equally approved by the supervising Engineer	Item	1		

ESSENTIAL POWER CIRCUITS				
	Prices for the following shall include; The supply, installation and connection of trunking sockets, junction boxes and all accessories. The trunkings shall be UNILUX throughout the installation. Cable size for power socket wiring shall be 2.5 sq mm.			
	Circuit 1 (2.5mm sq) Essential DB / R1			
E	Ring mains circuit to 13A twin trunking socket outlets	No	6	
	Circuit 1 (2.5mm sq) Essential DB / Y1			
F	Ring circuit to 15A twin trunking socket outlets	No	6	
	Circuit 1 (2.5mm sq) Essential DB / B1			
E	Ring circuit to 13A twin trunking socket outlets	No	6	
	Circuit 1 (2.5mm sq) Essential DB / R2			
F	Ring circuit to 15A twin trunking socket outlets	No	6	
	FITTINGS AND ACCESSORIES			
A	Supply, Install and Fix a 180mm X 50mm X 2900mm 3-compartment mounted PVC Cable trunking complete with 4 corners, 2 end caps, and all mounting accessories to make it fit for the application as Unilux or approved by the supervising engineer	M	15	
B	13Amp 220VAC Twin Socket outlets compatible with the Trunking	No	12	
C	15Amp 220VAC Twin Socket outlets compatible with the Trunking	No	12	
			Total	

3. Ups Installation Accessories Specs for Av Control Room

1. 2 by 180mm x50mmx2900mm 3-compartment mounted PVC cable trunking complete with 1 corner, 2 end caps and 1 T downward junction (T connection for accommodating cable coming from floor)
2. 1 by 40mm x 5000mm PVC pipe
3. 2 by 13 amps twin sockets compatible with trunking above
4. 2 by 15-amp twin sockets compatible with trunking above
5. 1 by 40-amp triple pole isolator to supply power to ups
6. 3 by 32 amp MCB for the socket supply
7. 25 meters by 2.5mm 3 core cable preferably Malawi cable manufactures cable
8. All Installation accessories